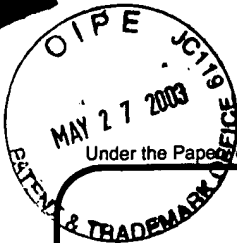


2872



PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
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TRANSMITTAL FORM

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Application Number	09/427,457
Filing Date	10/16/1999
First Named Inventor	Geoff P. Anderson
Group Art Unit	2872
Examiner Name	A. Chang

Total Number of Pages in This Submission

12

Attorney Docket Number

AFB00497

ENCLOSURES (check all that apply)

- | | | |
|---|---|--|
| <input type="checkbox"/> Fee Transmittal Form
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<input checked="" type="checkbox"/> Amendment / Reply
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Remarks

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Thomas C. Stover 21 May 2003
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re CIP Application of
Geoff P. Andersen
Application Serial No. 09/427,457
Filed: 16 October 1999
For: **HOLOGRAPHIC IMAGE CORRECTOR**

Group Art Unit: 2872
Examiner: A. Chang

Honorable Commissioner for Patents
Washington D.C. 20231

Sir:

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AMENDMENT

In response to the Office Action dated 6 March 2003, please amend the above-identified application as follows:

IN THE CLAIMS

Amend or re-write the following claims, according to the clean copy shown below, as subsequently explained by a marked-up version attached as Exhibit A.

- 71
1. A holographic image corrector comprising, a microscope which has,
 - a) an optical system having an objective,
 - b) at least one pinhole mounted before said objective,
 - c) means for recording the characteristics of said objective by sending a first laser beam through said pinhole and through said objective or reflecting said beam therefrom to form an object beam,
 - d) means for intersecting said object beam with a reference laser beam in a recording medium to form a hologram of said objective, said laser beams being coherent,
 - e) means to replace said pinhole with an article and
 - f) means to illuminate said article with a beam of the same wavelength as said laser beams so that light therefrom passes through or reflects off said objective and diffracts through or off said hologram and provides a corrected image of said article for viewing.
 2. A holographic image corrector comprising, a microscope which has,
 - a) an optical system having an objective,
 - b) a pinhole mounted before said objective,
 - c) means for recording the characteristics of said objective by sending a first laser beam through said pinhole and through said objective or reflecting said beam therefrom to form an object beam
 - d) means for intersecting said object beam with a reference coherent laser beam in a recording medium to form a hologram of said objective,
 - e) means to replace said pinhole with an article and